



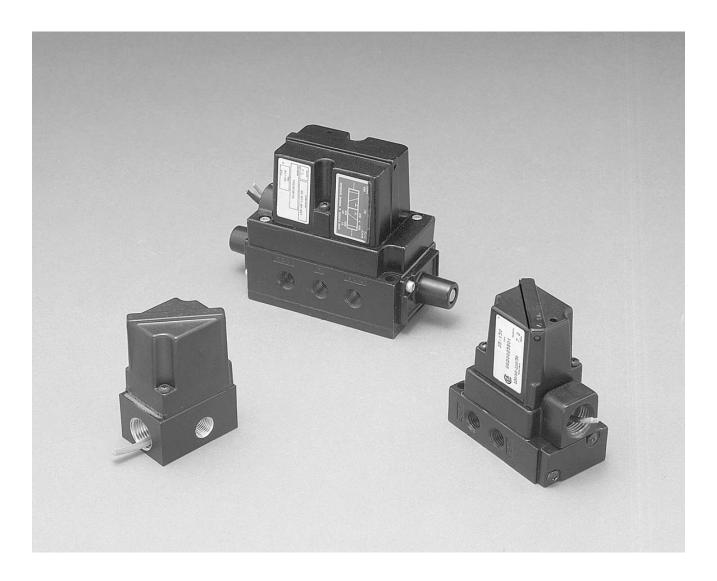
"T", "GG", & "SS" Series

Air Control Valves

3-Way, 3-Port, 2-Position 4-Way, 4-Port, 2-Position

4-Way, 5-Port, 2 & 3-Position

Catalog 0620-E/USA May 2005





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Catalog 0620-E/USA

Features, Model Number Index

"T" Series Valves

3-Way, 3-Port, 2-Position Single Solenoid

Description

The T Series Valve is a 2-Position, 2 and 3-Way, single solenoid, direct operated, spring returned, 1/4" side ported valve.

It may be used as normally closed or normally open, also as a selector valve.

Operation

Valve will operate mounted in any position. See mounting dimensions and port locations.

Selection table shows typical piping connections and maximum pressure differentials for each model number. "Maximum Pressure Differential" is the maximum allowable difference between pressures recorded at any two working ports of the valve. The highest pressure that may be connected to any port is 150 PSI.

For 2-Way operation, plugs must be screwed in and sealed bubble tight for valve to work properly.

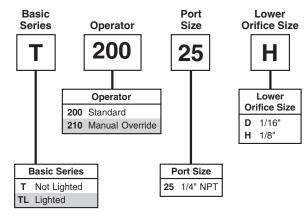
Specifications

- Operating pressure, vacuum to 150 PSI (1035 kPa).
- Operating temperature, 0°F to 140°F (-18°C to 71°C).
- Class B solenoid, dual rated 120V/60Hz., 110V/50Hz., continuous duty 120V/60Hz., 7.2 watts, .26 amp inrush, .14 amp holding. Other voltages available.
- U.L. and CSA listed.

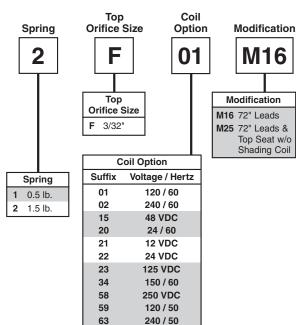




Model Number Index



Note: Shaded options have been discontinued. Refer to back of Catalog for Cross Reference Information.



Pneumatic

Parker Hannifin Corporation Pneumatic Division North America Richland, Michigan www.parker.com/pneumatic

M16

Top Seat w/o



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Catalog 0620-E/USA

Model Selection, Dimensions

"T" Series Valves

3-Way, 3-Port, 2-Position Single Solenoid

Model Selection Information

Service	Maximum Pressure† Differential	Minir Orific Betwee	e Dia.		Capacity Flow Bet			Piping	g Connect	ions	Valve Model Number
	Dinorontial	X & Y	Y & Z	χ →γ	y →z	z→y	γ → χ	Port X	Port Y	Port Z	Standard
2-Way Normally	150 50	1/16" 1/8"	_ _	0.09 0.22	-	_ _	-	Inlet Inlet	Outlet Outlet	Plugged [‡] Plugged [‡]	T20025D2F01 T20025H2F01
2-Way Normally Open	150	-	3/32"	-	0.16	-	_	Plugged [‡]	Inlet	Outlet	T20025H2F01
3-Way Normally Closed	150 50	1/16" 1/8"	3/32" 3/32"	0.09 0.22	0.16 0.14	_ _	_ _	Inlet Inlet	Outlet Outlet	Exhaust Exhaust	T20025D2F01 T20025H2F01

[&]quot;Maximum Pressure Differential" is the maximum allowable difference between pressures recorded at any two working ports of the valve. The highest pressure that may be connected to any port is 150 PSI.

Model numbers shown are for 120V/60Hz. coil. See Coil Selection Chart for other options.

Solenoid Coil Identification and **Specification**

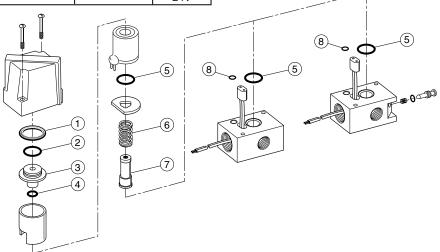
Part No.	60 HzAC	50 HzAC	DC
P4615401	120V	110V	_
P4615402	240V	220V	-
P4615421	_	-	12V
P4615422	_	_	24V

Solenoid Service Kits D1F/H1F PS5398

Consists of: No's 1 thru 8

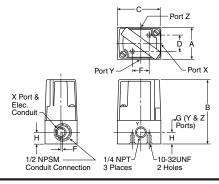
D2F/H2F PS5399

Consists of: No's 1 thru 8



Dimensions - T200

	Α	В	С	D	Е	F	G	Н
inches	1.59	3.31	2.25	.88	.88	.09	.50	.50
mm	40	84	51	22	22	2.4	14	13





Plugs must be screwed in and sealed bubble tight for valve to work properly at maximum rated pressure differential.



Catalog 0620-E/USA (Revised 03-29-07)

Cross Reference

"T" Series Valves



Discontinued	Suggested T Valve	Suggeste	d Functional Rep	lacement - Cyclo	ne Series	
T Valve Number	Replacement or Kit	2-Way NC	2-Way NO	3-Way NC	3-Way NO	<u>Notes</u>
T20025D1F01	Coil P4615401 & PS5398 Kit	741140115B				
T20025D1F21	Coil P4615421 & PS5398 Kit	741140122B				
T20025D1F22	Coil P4615422 & PS5398 Kit	741140123B				
T20025D2F01M16	T20025D2F01 18" Leads	741140115B		744130115B		1
T20025D2F15	Coil P4615415 & PS5399 Kit	NO CROSS RI	EFERENCE VOLT	TAGE IS 48 VDC		4
T20025D2F20 T20025D2F21M25	Coil P4615422 & PS5399 Kit T20025D2F21	741140113B		744130113B		
T20025D21 21M25	Coil P4615401 & PS5398 Kit	741140115B	740120115B		742110115B	
T20025H1F02	Coil P4615402 & PS5398 Kit	741140116B	740120116B		742110116B	
T20025H1F15	Coil P4615415 & PS5398 Kit		EFERENCE VOLT	TAGE IS 48 VDC	7421101100	4
T20025H1F20	Coil P4615420 & PS5398 Kit	741140113B	740120113B	7.02.0 10 120	742110113B	•
T20025H1F21	Coil P4615421 & PS5398 Kit	741140122B	740120122B		742110122B	
T20025H1F22	Coil P4615422 & PS5398 Kit	741140123B	740120123B		742110123B	
T20025H1F23	Coil P4615423 & PS5398 Kit	NO CROSS RI	EFERENCE VOLT	TAGE IS 125 VDC		4
T21025D1F01	Coil P4615401 & PS5398 Kit	741140115B				2
T21025D2F01	T20025D2F01 no override	741140115B		744130115B		2
T21025D2F02	T20025D2F02 no override	741140116B		744130116B		2
T21025D2F15	Coil P4615415 & PS5399 Kit		EFERENCE VOLT			4
T21025D2F20	Coil P4615420 & PS5399 Kit	741140113B		744130113B		2
T21025D2F21	T20025D2F21 no override	741140122B		744130122B		2
T21025D2F22	T20025D2F22 no override	741140123B		744130123B		2
T21025D2F23	Coil P4615423 & PS5398 Kit			TAGE IS 125 VDC		4
T21025H1F01	Coil P4615401 & PS5398 Kit	741140115B	740120115B		742110115B	2
T21025H1F02	Coil P4615402 & PS5398 Kit	741140116B	740120116B		742110116B	2
T21025H1F22M16	Coil P4615422 & PS5398 Kit	741140123B	740120123B		742110123B	1, 2
T21025H2F01	T20025H2F01 no override	741140115B	740120115B	744130115B		
T21025H2F02	T20025H2F02 no override	741140116B	740120116B	744130116B		
T21025H2F22	T20025H2F22 no override	741140123B	740120123B	744130123B		
TL20025D2F01	T20025D2F01 no light	741140115B		744130115B		3
TL20025H1F01M16	Coil P4615401 & PS5398 Kit	741140115B	740120115B		742110115B	1, 3
TL21025D2F01	T20025D2F01 no light/override	741140115B		744130115B		2, 3
TL21025D2F01M16	T20025D2F01 no light/override 18"	741140115B		741130115B		1, 2, 3

Notes

- 1. The M16 Modification is 72" leads. The valve selected has 19" leads.
- 2. The T210 valve has a Non-Locking Manual Override. The valve selected has no Override.
- 3. The TL valve had an Indicator Light. The valve selected has No Light.
- 4. Use Repair Kits to Service Valve.



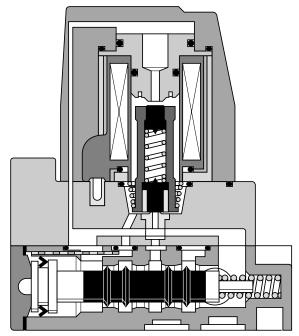


Catalog 0620-E/USA **Basic Valve Features**

"GG" Series Valves Air Control Valves



- Low power consumption, continuous duty coil. Molded nylon coil protects windings from moisture and corrosion.
- Single piece spool with molded Buna N seals. Provides millions of trouble free cycles.
- Easy to maintain spool can be removed from valve without disturbing any plumbing or wiring.
- Large internal air passages provide high air flow capacities.
- · Compact inline, for easy mounting.
- Porting, 1/4 inch.
- Single solenoid, spring return.
- $C_V = .9$.
- 35 to 150 PSIG (242 to 1035 kPa) operating pressure standard.
- Operating temperature range: 0°F to 140°F (-18°C to 71°C) ambient.



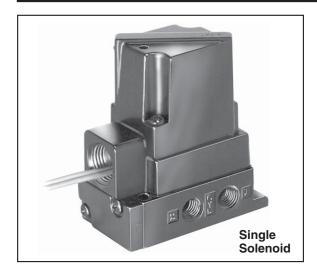
Single Solenoid Pilot GG-200B





Catalog 0620-E/USA Single Solenoid "GG" Series Valves 4-Way, 4-Port, 2-Position





Application

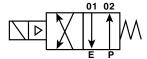
These valves are used to operate double acting cylinders. They may also be used as 2-Way or 3-Way valves by plugging ports. Valves are actuated by a maintained electrical

Mounting

These valves are designed for inline mounting.

Operation

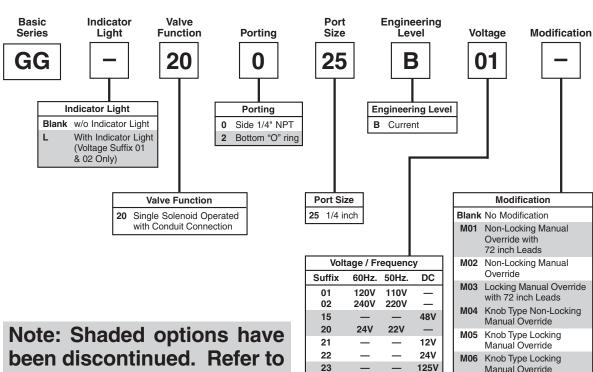
De-energized - P to 02 - 01 to E. Energized/Pressurized - P to 01 - 02 to E.



Model Selection Information

Port Size	Valve	Model Number
1/4" NPTF	Solenoid	GG20025B01

Historical Model Number Index



been discontinued. Refer to back of Catalog for Cross Reference Information.

Trice Pneumatic

Parker Hannifin Corporation Pneumatic Division North America Richland, Michigan www.parker.com/pneumatic

M16 72 inch Leads

Manual Override

with 72 inch Leads M13 Locking Manual Override

58

250V

120V

Voltage Range +10/-15% Nominal



Catalog 0620-E/USA **Model Selection**

"GG" Series Valves

Dimensions, Ordering Information

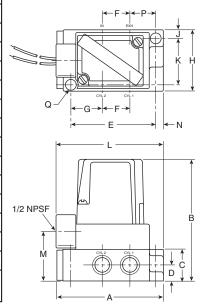
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Inline - Side Ports 1/4" NPT

GG-200 Single Solenoid Pilot Maintained Contact 2-Position, 4-Way, 4-Ported.

Dimensions:

	inches	mm
Α	3.44	87
В	3.88	99
С	.99	25
D	.50	13
Е	2.75	70
F	.88	22
G	1.00	25
Н	1.95	50
7	.28	7
K	1.44	37
L	3.50	89
M	1.60	41
N	.19	5
Р	.70	17
Q Dia.	.28	7



(5) **(4**) (9) (3) (10)(11) (12) 31 (13) (17)(15) (16) 23 (18) (22)(21) (24) Figure 1: GG Valve Assembly

Service Kits Available

Valve Body Service Kit:

(consists of items # 21, 22, 24, 25, 26, & 28)

Solenoid Service Kit:

(consists of items #

5, 6, 7, 8, 9, 10, 13, & 14) PS5387

PS5386

Note: Two kits are required to service a double solenoid valve. Manual Override Kits:

Flush Style - Non-Locking PL78668 Knob Style - Locking PL78671

Parts Identification List

ltem #	<u>Description</u>
1	Solenoid Assembly
2	Solenoid Cover with captive mounting screws
3	Solenoid Coil
4	Flux Sleeve
5	Compression Gasket
6	Top Seat
7	Small O-ring for top seat
8	Large O-ring for top seat
9	Solenoid Plunger Assembly
10	O-ring for coil
11	Flux Plate
12	O-ring for flux plate
13	Molded Gasket for solenoid cover to
	conduit adapter
14	Spring for plunger
15	Conduit Adapter Assembly
16	Conduit Body
17	Electrical Leads
18	Mounting Screws - conduit body to valve body
	(not shown)
19	Valve Body Assembly
20	Valve Body
21	Return Spring
22	Spring Guide Pin
23	Molded Gasket for valve body to conduit body
24	Stem Assembly
25	Lip Seal
26	Molded Gasket for end cap to valve body
27	End Cover
28	Mounting Screws - end cap to valve body
	(not shown)
29	Solenoid Coil With Indicator Lamp
30	Solenoid Cover With Lens Assembly
31	Cover Mounting Screws (not shown)
	- · · · · · · · · · · · · · · · · · · ·



Figure 2: Flush Style Manual Override

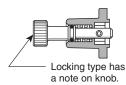


Figure 3: **Knob Style Manual Override**

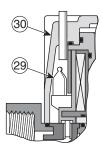


Figure 4: **Indicator Lamp**





"GG" Series Valves

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Obsolete GG Valve	Suggested Replacement	<u>Notes</u>	Alternate GG Valve	Notes
GG20025B01M01	F3E12BGB23A		GG20025B01M02	3
GG20025B01M03	F3E12BHB23A		GG20025B01M13	3
GG20025B01M04	F3E12BJA23A		GG20025B01M02	4
GG20025B01M06	F3E12BGB23A		GG20025B01M05	3
GG20025B01M16	F3E12BGB23A		GG20025B01	3
GG20025B02M01	F3E12BGB87A		GG20025B02M02	3
GG20025B02M03	F3E12BHB87A		GG20025B02M05	3, 5
GG20025B15	NO CROSS VOLTAGE 48VDC	2	N/A	2
GG20025B20	F3E12BGA12A		N/A	2
GG20025B22M01	F3E12BGB19A		GG20025B22M02	3
GG20025B22M04	F3E12BJA19A		GG20025B22M02	4
GG20025B22M16	F3E12BGB19A		GG20025B22	3
GG20025B23	NO CROSS VOLTAGE 125VDC	2	N/A	2
GG20225B01	F3E52BGA23A	1	N/A	2
GG20225B01M01	F3E52BGB23A	1	N/A	2
GG20225B01M02	F3E52BGA23A	1	N/A	2
GG20225B01M03	F3E52BHB23A	1	N/A	2
GG20225B01M05	F3E52BKA23A	1	N/A	2
GG20225B01M06	F3E52BKB23A	1	N/A	2
GG20225B01M16	F3E52BGB23A	1	N/A	2
GG20225B02M05	F3E52BKA87A	1	N/A	2
GG20225B02M05	F3E52BKA87A	1	N/A	2
GG20225B21	F3E52BGA15A	1	N/A	2
GG20225B22	F3E52BGA19A	1	N/A	2
GG20225B22M01	F3E52BGB19A	1	N/A	2
GG20225B22M04	F3E52BJA19A	1	N/A	2
GG20225B22M04	F3E52BJA19A	1	N/A	2
GGL20025B01	F3E12BGA23A		GG20025B01	6
GGL20025B01M01	F3E12BGB12A		GG20025B01M02	3, 6
GGL20025B01M02	F3E12BGA23A		GG20025B01M02	6
GGL20025B01M05	F3E12BJA23A		GG20025B01M05	6
GGL20025B01M13	F3E12BKA23A		GG20025B01M05	6
GGL20025B02	F3E12BGA87A		GG20025B02	6
GGL20225B01M02	F3E52BGA23A	1	N/A	2
GGL20225B01M06	F3E52BKB23A	1	N/A	2

Notes

- 1. The GG202 Valve is a Bottom Ported Valve for Manifold Mounting. Review of Application is Required. The F3 Valve Selected is a Valve Attached to a Manifold Base.
- 2. Use Repair Kits to Service the Valve.
- 3. The GG Valve selected has 18" Leads instead of 72" Leads.
- 4. Flush type override instead of Knob type.
- 5. Knob type override instead of Flush type.
- 6. The same without lights





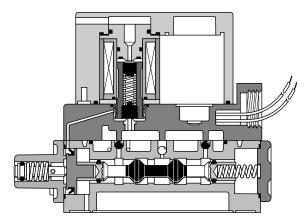
Catalog 0620-E/USA

Basic Valve Features

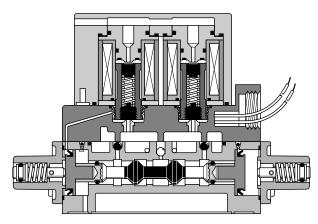
"SS" Series Valves **Air Control Valves**

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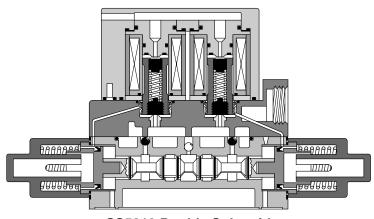
- A Shur-Shift Chamber, with internal pilot supply, delivers positive shifting even during line fluctuations.
- Molded comb-o-seals gives you all the advantages of multiple o-ring sealing with a single gasket.
- The encapsulated Class B coil is a low wattage, quick disconnect type, available in a range of AC and DC voltages.
- Packed spool construction means reduced wear and increased life.
- Inline models are field convertible from single pressure to dual pressure.
- Two mounting styles are available to choose from: Inline base (SS Series) or manifold (SSX or SSW Series), the Add-A-Fold system.



SS2010 Single Solenoid



SS4010 Double Solenoid



SS5010 Double Solenoid

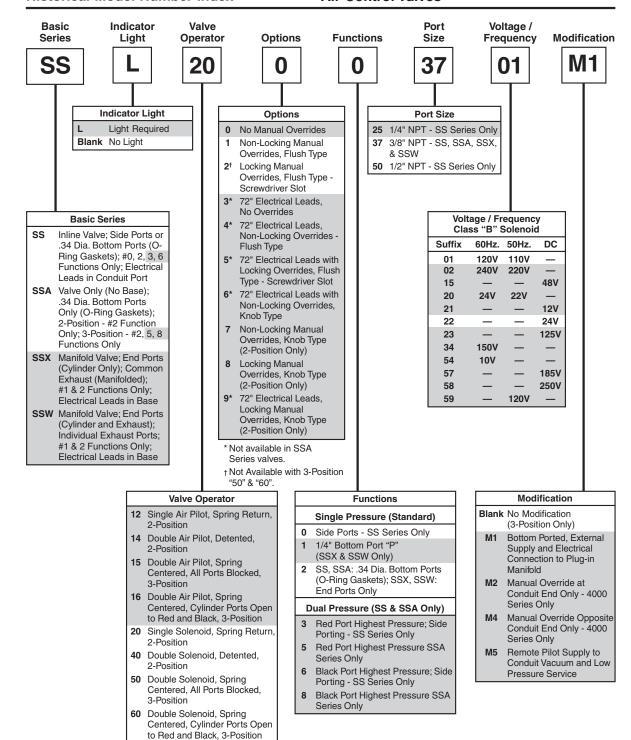




Catalog 0620-E/USA (Revised 06-09-05) **Historical Model Number Index**

"SS" Series Valves Air Control Valves





Note: Shaded options have been discontinued. Refer to back of Catalog for Cross Reference Information.

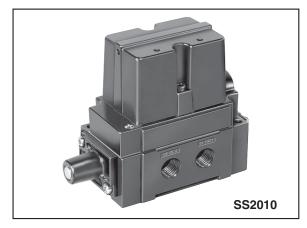




Catalog 0620-E/USA
Single & Double Solenoid

"SS" Series Valves 4-Way, 5-Port, 2-Position





Application

This inline mounted valve is used to operate a double acting cylinder. It is a 4-Way, 2-Position, 5-Ported, single solenoid pilot operated, maintained contact, air and spring return, and can be serviced without disturbing piping or wiring. Recessed non-locking manual override is standard, locking overrides available. They also may be used for 2-Way, 3-Way, and dual pressure service.

Operation

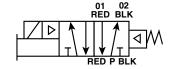
Single Pressure At Inlet Port "P":

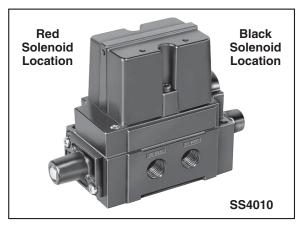
Solenoid de-energized (at rest). Inlet pressure port "P", connected to outlet cylinder port, "02-BLK". Outlet cylinder port "01-RED" connected to exhaust port "RED".

Solenoid energized (actuated). Inlet pressure port "P", connected to outlet cylinder port "01-RED". Outlet cylinder port "02-BLK" connected to exhaust port "BLK".

Dual Pressure At Ports "RED" And "BLK":

May be used for dual pressure with pressure at ports "RED" and "BLK" with higher pressure at "RED" port. Exhaust at "P" port. (See maintenance bulletin for conversion instruction.)





Application

This inline mounted valve is used to operate a double acting cylinder. It is a 4-Way, 2-Position, 5-Ported, double solenoid pilot operated, momentary contact, with detents, and can be serviced without disturbing piping or wiring. Recessed non-locking manual override is standard, locking overrides available. They also may be used for 2-Way, 3-Way, and dual pressure service.

Operation

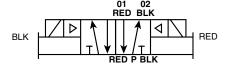
Single Pressure At Inlet Port "P":

Black solenoid last energized. Inlet pressure port "P", connected to outlet cylinder port, "02-BLK". Outlet cylinder port "01-RED" connected to exhaust port "RED".

Red solenoid last energized. Inlet pressure port "P", connected to outlet cylinder port "01-RED". Outlet cylinder port "02-BLK" connected to exhaust port "BLK".

Dual Pressure At Ports "RED" And "BLK":

May be used for dual pressure with pressure at ports "RED" and "BLK" with higher pressure at "RED" port. Exhaust at "P" port. (See maintenance bulletin for conversion instruction.)



Model Selection Chart

For single pressure applications with internal pilot supply, 120V/60Hz.

Port Size	Valve/Inline Mounted	Model Number
3/8" NPT 1/2" NPT	Side Ported Side Ported	SS20103701 SS20105001
Port Size	Valve/Add-A-Fold Base	Model Number

Model Selection Chart

For single pressure applications with internal pilot supply, 120V/60Hz.

Port Size	Valve/Inline Mounted	Model Number
3/8" NPT 1/2" NPT	Side Ported Side Ported	SS40103701 SS40105001
Port Size	Valve/Add-A-Fold Base	Model Number
Port Size	Valve/Add-A-Fold Base Valve Assembly, Less Base	Model Numb





Catalog 0620-E/USA **Double Solenoid**

"SS" Series Valves 4-Way, 5-Port, 3-Position





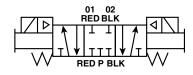
Application

This inline mounted valve is used to operate a double acting cylinder. It is a 4-Way, 3-Position, 5-Ported, double solenoid pilot operated, maintained contact, spring centered, and can be serviced without disturbing piping or wiring. Recessed non-locking manual override is standard, locking overrides available. They also may be used for 2-Way, 3-Way, and dual pressure service.

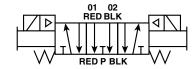
Operation

SS5000 Series: All ports blocked in center position.

SS6000 Series: Pressure port "P" blocked in center position. Cylinder ports "01-RED" and "02-BLK" open to exhaust ports "RED" and "BLK".



SS5000 Series



SS6000 Series

Model Selection Chart - SS5000 Series

For single pressure applications with internal pilot supply, 120V/60Hz.

I	Port Size	Valve/Inline Mounted	Model Number
	3/8" NPT 1/2" NPT	Side Ported Side Ported	SS50103701 SS50105001
١	1/2 141 1		0000100001

Port Size Valve/Add-A-Fold Base		Model Number	
	Valve Assembly, Less Base	SSA50123701	

Model Selection Chart - SS6000 Series

For single pressure applications with internal pilot supply, 120V/60Hz.

Port Size	Valve/Inline Mounted	Model Number
3/8" NPT	Side Ported	SS60103701
1/2" NPT	Side Ported	SS60105001





Catalog 0620-E/USA
Single & Double Air Operated

"SS" Series Valves 4-Way, 5-Port, 2-Position





Application

This inline mounted valve is used to operate a double acting cylinder. It is a 4-Way, 2-Position, 5-Ported, single remote air operated, maintained signal air and spring return, and can be serviced without disturbing piping or wiring. Recessed non-locking manual override is standard, locking overrides available. They also may be used for 2-Way, 3-Way, and dual pressure service.

Operation

Single Pressure At Inlet Port "P":

Remote pressure to port "X1" must be equal to or greaterthan pressure at supply port. At rest, inlet pressure port "P", connected to outlet cylinder port, "02-BLK". Outlet cylinder port "01-RED" connected to exhaust port "RED".

When remote pressure is applied to port "X1" (actuated pressure port "P" connected to outlet cylinder port "01-R. Outlet cylinder port "02-BLK" connected to exhaust "L.

Dual Pressure At Ports "RED" Apd "BLK

May be used for dual pressure with pressure ports "LD" and "BLK" with higher pressure at RED" port. Lat "P" port. (See maintenance like for contribution.)



Application

This inline mounted valve is used to operate a double acting cylinder. It is a 4-Way, 2-Position, 5-Ported, double to be air pilot operated, momentary signal, with detents and can be serviced without disturbing piping or wing. In ressect non-locking manual override is standed, rocking varride available. They also may be used for Way Way, which all pressure service.

Operation

Single Pres At Int P "P"

Remote cess to the port, more pressure port "P", consider to our tree consider to our tree consideration of the co

Refuse pressure at "X1" port, inlet pressure urt "P", connucted to outlet cylinder port "0. BLK" connected to extra stip ut "BLK".

Dual Pressure At Po "R. " d " .K":

May be used to pressure uith pesure at ports "RED" and "BLK" vicinity pressure at "RED" port. Exhaust at "P" nort. (See main mance an etin for conversion instruction.)



"X1" PRED P.BLK

Model Selection Chart

For single pressure application.

Port Size	valve/inline Mounted	Model Number
1/4" NPT	Side Ported	SS121025
3/8" NPT	3/8" NPT Side Ported	
1/2" NPT	Side Ported	SS121050
Port Size	Valve/Add-A-Fold Base	Model Number
		model Halliber
3/8" End Ports	Valve Assembly, Less Base	SSA121237

Model Selection Chart

For single pressure application.

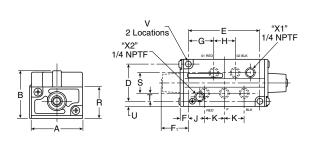
	Port Size	vaive/inline Mounted	Model Number
	1/4" NPT	Side Ported	SS141025
	3/8" NPT	Side Ported	SS141037
	1/2" NPT	Side Ported	SS141050
Port Size		Valve/Add-A-Fold Base	Model Number
	3/8" End Ports	Valve Assembly, Less Base Valve W/Add-A-Fold. 2-End Ports.	SSA141237
	3/8" End Ports	Valve Assembly, Less Base Valve W/Add-A-Fold, 2-End Ports, Common Exhaust Valve W/Add-A-Fold, 4-End Ports.	SSA141237 SSX141237

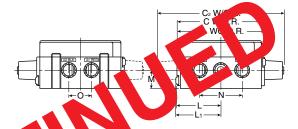


"SS" Series Valves 2-Positions

Index

SS1200 / SS1400 **Single & Double Air Operated Valves**





	Dime	nsio s:	mm
	A	2 6	J 5
-15		2. 3	68
	C	5.80	147
	C ₁	4.96	126
	C ₂	6.68	170
	D	2.00	51
	Е	3.88	98
	F	.53	13
	F ₁	1.39	35
	G*	1.35	34
	H*	1.19	30
	J*	.88	22
	K*	1.06	27
	L	2.47	63

	inches	mm
L ₁	2.55	65
M	.91	23
N 1/4"	2.00	51
N 3/8"	2.13	54
N 1/2"	2.25	57
O 1/4"	1.06	27
O 3/8"	1.19	30
0 1/2"	1.31	33
R	1.69	43
S	1.19 30	
T	.41	10
U .25		6
٧	.28	7

^{*} Dimensions are for valves with bottom ports (SSA).





Catalog 0620-E/USA Manifold

"SS" Series Valves "SSX" & "SSW" Series



Application

The Parker SA Add-A-Fold system permits assembly of many valves and their Add-A-Fold bases into one manifold system. Each Add-A-Fold assembly requires only one supply connection. Supply and exhaust connections are made by bolting the desired valve to its Add-A-Fold base section. Outlet connections are made to each Add-A-Fold station.

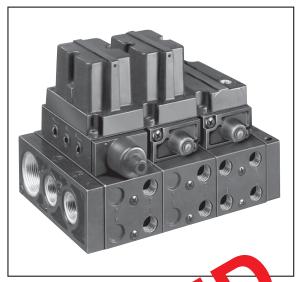
Electrical connections are made to separate valves through a common junction box at one end of the manifold.

Each Add-A-Fold base will accept any SSA Series Valve and gasket:

- Single Solenoid
- Single Air Operated
- Double Solenoid
- Double Air Operated

Features

- Greatly reduces installation costs.
- · Reduces piping, wiring and risk of leaks.
- · Saves space.
- Creates custom valving arrangements with standard components.
- Improves appearance of pneumatic machines.
- Built-in electrical junction box.



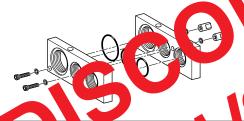
Note: When valves are ordered separately all necessary assembly and interface h Side plate kits must be ordered se

Add-A-Fold Side Plate Kit

Each Add-A-Fold Side Plate Kit contains a right and left side plate, (3) o-ring seals, (2) socket head cap screws, (2) lockwashers, and (2) couplings.

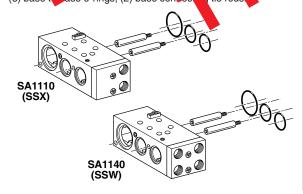
PL3509C Side Plate Kit

(2) Side plates, (3) O-rings, Cap screws, couplings &



Ada B. e Kit

Each A Base Kit contains a m fold base (3) base se o-rings, (2) base con



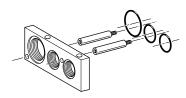
Convers

n exnaust base to separate exhaust



PL3539B Intermediate Plate Kit

- (1) Side plate
- (3) O-rings
- (2) Long tie rods (cad plated)



Required for manifold consisting of six (6) or more valves.





Catalog 0620-E/USA Manifold

"SS" Series Valves "SSA" Series

Index

Both the SA1110 and SA1140 Add-A-Fold bases are available with bottom porting on the pressure port, enabling you to bring separate pressures into individual stations. This is accomplished by regulating pressure into the isolated base.

This feature now enables the SS Manifold to be worked at individual pressures.

Ordering Information For All SSA Series Valves Example SSX20113701 1/4" Bottom ported regulated pressure with common exhaust (SA1150) SSW20113701 1/4" Bottom ported regulated pressure with separate exhaust (SA1160) SA1150 base, same as SA1110 except 1/4" pressure port in bottom of base.

SA1160 base, same as SA1140 except

1/4" pressure port in bottom of base.

PS5403—Isolator Plate.





SS Series Override Conversion Kits

Convert valves without overrides or change style of overrides with the kits below.

Series SS1200, 1400, 2000, 4000 PL5167B Non-locking manual override

PL5168B Locking manual override

PL5153B Non-locking manual override, knob type

PL5155B Locking manual override, knob type

Series SS1500, 1600, 5000, 6000 PL5185 Locking manual override

PL5178 Non-locking manual override





Catalog 0620-E/USA

Technical Information

"SS" Series Valves Technical Data

Index

Operating Pressure

2-Position Single & Double Solenoid Valves:

20 to 150 PSIG (138 to 1035 kPa). Can be modified for use on low pressure or vacuum operation for inline valves only.

3-Position Double Solenoid Valves:

35 to 150 PSIG (242 to 1035 kPa). Can be modified for use on low pressure or vacuum operation for inline valves only.

2-Position Double Solenoid

Average Fill Time: (Seconds)*

Valve .		est Chamber	100 Cu. In. Test Chamber	
Port Size	Fill	Exhaust	Fill	Exhaust
3/8"	.049	.091	.233	.437
1/2"	.026	.052	.172	.307

^{*} With 100 PSI supply, time required to fill from 0-90 PSI and exhaust from 100 PSI to 10 PSI is measured from instant of energizing, or de-energizing 120V/60Hz solenoid. Times shown are average.

Temperature

Ambient	Minimum	Maximum
Continuous Duty	0°F (-18°C)	140°F +60°C).
Intermittent Duty	0°F (-18°C)	140°F +60°C).

Electrical Data: 120V/60Hz - 110V/50Hz

7.2 Watts .26 Amp	Inrush .14 Amp Holding
-------------------	------------------------

Class B (130°C) Coil.

3-Position Double Solenoid

Average Fill Time: (Seconds)*

Valve	12 Cu. In. Test Chamber		100 Cu. In. Test Chambe	
Port Size	Fill	Exhaust	Fill	Exhaust
3/8"	.051	.089	.247	.428
1/2"	.038	.058	.176	.322

With 100 PSI supply, time required to fill from 0-90 PSI and exhaust from 100 PSI to 10 PSI is measured from instant of energizing, or $\,$ de-energizing 120V/60Hz solenoid. Times shown are average.

Lubrication

For maximum service life use clean, lubricated air. F442P oil is specially formulated to promote maximum valve life.

Coil Selection

Voltage Range +10/-15% of Nominal

Class B	60Hz.	50Hz.	DC
01	120VAC	110VAC	_
22	_	1	24VDC

2-Position Single Solenoid

Average Fill Time: (Seconds)*

Valve	12 Cu. In. Te	. In. Test Chamber 100 Cu. In.		. Test Chamber	
Port Size	Fill	Exhaust	Fill	Exhaust	
3/8"	.064	.092	.024	.427	
1/2"	.049	.045	.185	.345	

^{*} With 100 PSI supply, time required to fill from 0-90 PSI and exhaust from 100 PSI to 10 PSI is measured from instant of energizing, or de-energizing 120V/60Hz solenoid. Times shown are average.

Flow Rating (C_V)

	Valve Port Size			
Flow Path	2-Position		3-Position	
	3/8"	1/2"	3/8"	1/2"
P→02-BLK	1.9	2.2	1.7	2.2
P→01-RED	1.7	2.1	1.6	2.1
02-BLK→BLK	1.6	1.9	1.6	1.9
01-RED→RED	1.4	2.2	1.4	2.0
Avg.	1.7	2.1	1.6	2.0



Parker Hannifin Corporation Pneumatic Division North America Richland, Michigan www.parker.com/pneumatic

www.hymatik.com



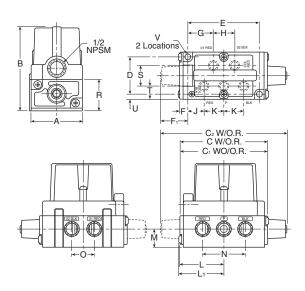
Catalog 0620-E/USA **Dimensions**

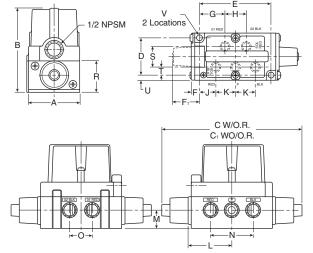
"SS" Series Valves 2-Position / 3-Position

Index

SS2000/SS4000 Single & Double Solenoid Valves

SS5000/SS6000 **Double Solenoid Valve**





Dimensions:

	inches mm	
Α	2.56	65
В	4.63	118
С	5.80	147
C ₁	4.96	126
C ₂	6.69	170
D	2.00	51
Е	3.88	98
F	.53	13
F ₁	1.39	35
G*	1.35	34
H*	1.19	30
J*	.88	22
K*	1.06	27
L	2.47	63

	inches	mm
L ₁	2.55	65
М	.91	23
N 1/4"	2.00	51
N 3/8"	2.13	54
N 1/2"	2.25	57
O 1/4"	1.06	27
O 3/8"	1.19	30
O 1/2"	1.31	33
R	1.69	43
S	1.19	30
Т	.41	10
U	.25	6
V	V .28	

Dimensions:

	inches mm	
Α	2.56	65
В	4.63	118
С	8.20	208
C ₁	8.20	208
D	2.00	51
Е	3.88	98
F	2.16	55
G*	1.35	34
H*	1.19	30
J*	.88	22
K*	1.06	27
L	2.55	65

	inches	mm
M	.91	23
N 1/4"	2.00	51
N 3/8"	2.13	54
N 1/2"	2.25	57
O 1/4"	1.06	27
O 3/8"	1.19	30
O 1/2"	1.31 33	
R	1.69	43
S	1.19	30
Т	.41	10
U	.25	6
٧	.28	7

^{*} Dimensions are for valves with bottom ports (SSA).

^{*} Dimensions are for valves with bottom ports (SSA).





Catalog 0620-E/USA (Revised 05-05-05)

Double Air Operated

"SS" Series Valves

4-Way, 5-Port, 3-Position

Index

Service Kits and Parts Available

Valve Body	Service Kit:
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(consists of items # 3, 7, 8, 9, 11, & 12) PS5396

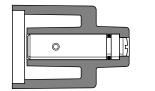
Manual Override Kits:	
Flush Style - Non-Locking Type	PL5178
Flush Style - Locking Type	PL5185

Part Identification List

V-250D

Item #	<u>Description</u>
1	External Pilot Cover
2	Screw - body/cover
3	Molded Gasket - valve body to cover
4	Valve Body Assembly
5	Valve Body
6	End Cap
7	Return Spring
8	Seal - cover
9	Lipseal
10	Sleeve
11	Stem
12	O-ring - sleeve
13	Piston
14	Washer
15	Screw - valve body to end cap (not shown)

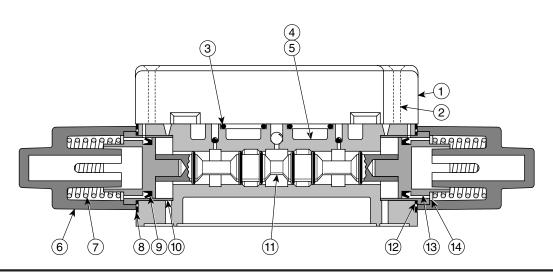
Flush Style Manual **Overrides**





Locking Type

Non-Locking Type







Catalog 0620-E/USA

Single & Double Air Operated

"SS" Series Valves

Item #

4-Way, 5-Port, 2-Position

Index

Field Conversion from Dual Exhaust to Dual Pressure

Remove the external pilot cover from the base. Determine which port will receive the highest pressure, and then remove the ball directly above that port. Reposition the rubber ball into the center "P" port.

/!\ CAUTION:

Before attaching the external pilot cover, make sure that the molded gasket is positioned properly in its gasket track.

Service Kits and Parts Available

SS1200 Series Valve Body Service Kit:

(consists of items # 2, 3, 5, 8, 9, 11, & 12) PS5394

SS1400 Series Valve Body Service Kit:

(consists of items # 3, 5, 8, 9, 11, 12, 16, & 17) PS5395

Manual Override Kits:

Flush Style - Non-Locking	PL5167B
Flush Style - Locking	PL5168B

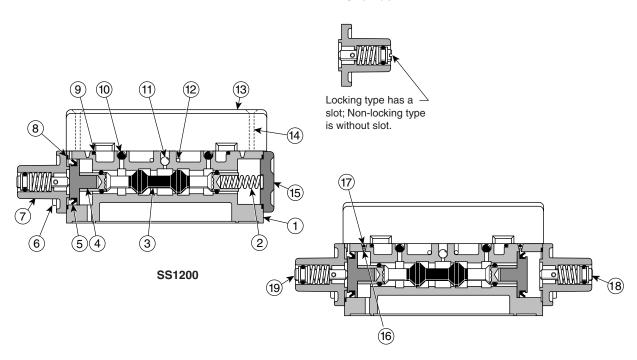
Part Identification List

Description

V-251D

1	Valve Body
2	Return Spring
3	Stem Assembly
4	Piston
5	Lip Seal
6	Mounting Screws - end cap to valve body
7	End Cap Assembly with override
8	Seal for end cap
9	Molded Gasket for valve body to cover
10	Plug - 3/16" Dia. Rubber Ball
11	Polyurethane Check Ball - 1/8" Dia.
12	Wire Clip
13	External Pilot Cover
14	Mounting Screw - cover to valve body
15	End Cap - return spring end
16	Detent Wire
17	Rubber Ball
18	Non-Locking Override
19	Locking Override

Flush Style Manual Override







Catalog 0620-E/USA

Single & Double Solenoid

"SS" Series Valves

4-Way, 5-Port, 2-Position

Index

Field Conversion from Dual Exhaust to Dual Pressure

Valve operation (& model number) is determined by the location of the 1/8" dia. polyurethane check ball and the two 3/16" dia. rubber plugs. Remove the conduit adapter from the base. Determine which port will receive the highest pressure, and then remove the rubber plug directly above that port and replace it with the polyurethane check ball. Reposition the rubber plug into the center "P" port.

(I) CAUTION: Before attaching the conduit adapter, make sure that the molded gasket is positioned properly in its gasket track.

Service Kits and Parts Available

Valve	Rody	Service	Kit.
vaive	Douy	Sel vice	NIL.

(consists of items # 21, 22, 25, 26, 27, 28, & 31) PS5394

Solenoid Service Kit:

(consists of items # 5, 6,

7, 8, 10, 12, 13, & 14) PS5397

Manual Override Kits:

Flush Style - Non-Locking PL5167B Flush Style - Locking PL5168B

Part Identification List

V-253C

Item #	<u>Description</u>
1	Solenoid Assembly
2	Solenoid Cover with captive mounting screws
3	Solenoid Coil
4	Flux Sleeve
5	Compression Gasket
6	Top Seat
7	Small O-ring for top seat
8	Large O-ring for top seat
9	Solenoid Plunger
10	O-ring for coil
11	Flux Plate
12	O-ring for flux plate
13	Seal for solenoid cover to conduit adapter
14	Spring for plunger
15	Conduit Adapter Assembly
16	Conduit Body
17	Leads
18	Mounting Screws (#10-24x1) - conduit body to
10	valve body (not shown)
19 20	Valve Body Assembly
20 21	Valve Body
22	Molded Gasket for valve body to conduit body Seal for end cap
23	End Cap - return spring end
24	End Cap Assembly with override - piston end
25	Return Spring
26	Wire Clip
27	Polyurethane Check Ball - 1/8" Dia.
28	Stem Assembly
29	Plug - 3/16" Dia. Rubber Ball
30	Piston
31	Lip Seal
32	Mounting Screws - end cap to valve body

(9) (10)(11)(12)(13)(14)(16)(15) (19)(20) (25) (29) (28) (27) (26) (22) (31)(30)

Flush Style Manual Override



Locking type has a slot; Non-locking type is without slot.





Catalog 0620-E/USA **Double Solenoid**

"SS" Series Valves

4-Way, 5-Port, 2-Position

Index

Field Conversion from Dual Exhaust to Dual Pressure

Valve operation (& model number) is determined by the location of the 1/8" dia. polyurethane check ball and the two 3/16" dia. rubber plugs. Remove the conduit adapter from the base. Determine which port will receive the highest pressure, and then remove the rubber plug directly above that port and replace it with the polyurethane check ball. Reposition the rubber plug into the center "P" port.



(I) CAUTION: Before attaching the conduit adapter, make sure that the molded gasket is positioned properly in its gasket track.

Service Kits and Parts Available

Valve Body Service Kit:

(consists of items # 21, 22, 25, 26, 27, 30, 32, & 33) PS5395

Solenoid Service Kit:

(consists of items # 5, 6, 7, 8, 9, 10, 12, 13, & 14) PS5397

Note: Two kits are required to service a

double solenoid valve.

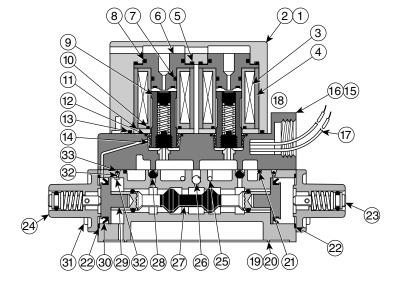
Manual Override Kits:

Flush Style - Non-Locking	PL5167B
Flush Style - Locking	PL5168B

Part Identification List

V-255D

Solenoid Assembly Solenoid Cover with captive mounting screws Solenoid Coil Flux Sleeve Compression Gasket Top Seat Small O-ring for top seat Large O-ring for top seat Solenoid Plunger O-ring for coil Flux Plate Coring for flux plate Seal for solenoid cover to conduit adapter Spring for plunger Conduit Adapter Assembly Conduit Body Leads Mounting Screws (#10-24x1) - conduit body to valve body (not shown) Valve Body Molded Gasket for valve body to conduit body Seal for end cap Locking Override Hend Cap Assembly Wire Clip Polyurethane Check Ball - 1/8" Dia. Stem Assembly Plug - 3/16" Dia. Rubber Ball Piston Universitation	Item #	<u>Description</u>
Solenoid Coil Flux Sleeve Compression Gasket Top Seat Small O-ring for top seat Large O-ring for top seat Solenoid Plunger O-ring for coil Flux Plate O-ring for flux plate Seal for solenoid cover to conduit adapter Spring for plunger Conduit Adapter Assembly Conduit Body Leads Mounting Screws (#10-24x1) - conduit body to valve body (not shown) Valve Body Valve Body Molded Gasket for valve body to conduit body Seal for end cap Locking Override Lend Cap Assembly with non-locking override Wire Clip Polyurethane Check Ball - 1/8" Dia. Stem Assembly Plug - 3/16" Dia. Rubber Ball Piston Mounting Screws - end cap to valve body	1	Solenoid Assembly
Solenoid Coil Flux Sleeve Compression Gasket Top Seat Small O-ring for top seat Large O-ring for top seat Solenoid Plunger O-ring for coil Flux Plate O-ring for flux plate Seal for solenoid cover to conduit adapter Spring for plunger Conduit Adapter Assembly Conduit Body Leads Mounting Screws (#10-24x1) - conduit body to valve body (not shown) Valve Body Valve Body Molded Gasket for valve body to conduit body Seal for end cap Locking Override Lend Cap Assembly with non-locking override Wire Clip Polyurethane Check Ball - 1/8" Dia. Stem Assembly Plug - 3/16" Dia. Rubber Ball Piston Mounting Screws - end cap to valve body	2	Solenoid Cover with captive mounting screws
5 Compression Gasket 6 Top Seat 7 Small O-ring for top seat 8 Large O-ring for top seat 9 Solenoid Plunger 10 O-ring for coil 11 Flux Plate 12 O-ring for flux plate 13 Seal for solenoid cover to conduit adapter 14 Spring for plunger 15 Conduit Adapter Assembly 16 Conduit Body 17 Leads 18 Mounting Screws (#10-24x1) - conduit body 19 to valve body (not shown) 19 Valve Body Assembly 20 Valve Body 21 Molded Gasket for valve body to conduit body 22 Seal for end cap 23 Locking Override 24 End Cap Assembly with non-locking override 25 Wire Clip 26 Polyurethane Check Ball - 1/8" Dia. 27 Stem Assembly 28 Plug - 3/16" Dia. Rubber Ball 29 Piston 30 Lip Seal 31 Mounting Screws - end cap to valve body	3	Solenoid Coil
6 Top Seat 7 Small O-ring for top seat 8 Large O-ring for top seat 9 Solenoid Plunger 10 O-ring for coil 11 Flux Plate 12 O-ring for flux plate 13 Seal for solenoid cover to conduit adapter 14 Spring for plunger 15 Conduit Adapter Assembly 16 Conduit Body 17 Leads 18 Mounting Screws (#10-24x1) - conduit body 19 to valve body (not shown) 19 Valve Body Assembly 20 Valve Body 21 Molded Gasket for valve body to conduit body 22 Seal for end cap 23 Locking Override 24 End Cap Assembly with non-locking override 25 Wire Clip 26 Polyurethane Check Ball - 1/8" Dia. 27 Stem Assembly 28 Plug - 3/16" Dia. Rubber Ball 29 Piston 30 Lip Seal 31 Mounting Screws - end cap to valve body	4	Flux Sleeve
7 Small O-ring for top seat 8 Large O-ring for top seat 9 Solenoid Plunger 10 O-ring for coil 11 Flux Plate 12 O-ring for flux plate 13 Seal for solenoid cover to conduit adapter 14 Spring for plunger 15 Conduit Adapter Assembly 16 Conduit Body 17 Leads 18 Mounting Screws (#10-24x1) - conduit body 19 to valve body (not shown) 19 Valve Body Assembly 20 Valve Body 21 Molded Gasket for valve body to conduit body 22 Seal for end cap 23 Locking Override 24 End Cap Assembly with non-locking override 25 Wire Clip 26 Polyurethane Check Ball - 1/8" Dia. 27 Stem Assembly 28 Plug - 3/16" Dia. Rubber Ball 29 Piston 30 Lip Seal 31 Mounting Screws - end cap to valve body	5	Compression Gasket
8 Large O-ring for top seat 9 Solenoid Plunger 10 O-ring for coil 11 Flux Plate 12 O-ring for flux plate 13 Seal for solenoid cover to conduit adapter 14 Spring for plunger 15 Conduit Adapter Assembly 16 Conduit Body 17 Leads 18 Mounting Screws (#10-24x1) - conduit body 18 to valve body (not shown) 19 Valve Body 20 Valve Body 21 Molded Gasket for valve body to conduit body 22 Seal for end cap 23 Locking Override 24 End Cap Assembly with non-locking override 25 Wire Clip 26 Polyurethane Check Ball - 1/8" Dia. 27 Stem Assembly 28 Plug - 3/16" Dia. Rubber Ball 29 Piston 30 Lip Seal 31 Mounting Screws - end cap to valve body		Top Seat
9 Solenoid Plunger 10 O-ring for coil 11 Flux Plate 12 O-ring for flux plate 13 Seal for solenoid cover to conduit adapter 14 Spring for plunger 15 Conduit Adapter Assembly 16 Conduit Body 17 Leads 18 Mounting Screws (#10-24x1) - conduit body 18 to valve body (not shown) 19 Valve Body 20 Valve Body 21 Molded Gasket for valve body to conduit body 22 Seal for end cap 23 Locking Override 24 End Cap Assembly with non-locking override 25 Wire Clip 26 Polyurethane Check Ball - 1/8" Dia. 27 Stem Assembly 28 Plug - 3/16" Dia. Rubber Ball 29 Piston 30 Lip Seal 31 Mounting Screws - end cap to valve body	7	
10 O-ring for coil 11 Flux Plate 12 O-ring for flux plate 13 Seal for solenoid cover to conduit adapter 14 Spring for plunger 15 Conduit Adapter Assembly 16 Conduit Body 17 Leads 18 Mounting Screws (#10-24x1) - conduit body 18 to valve body (not shown) 19 Valve Body Assembly 20 Valve Body 21 Molded Gasket for valve body to conduit body 22 Seal for end cap 23 Locking Override 24 End Cap Assembly with non-locking override 25 Wire Clip 26 Polyurethane Check Ball - 1/8" Dia. 27 Stem Assembly 28 Plug - 3/16" Dia. Rubber Ball 29 Piston 30 Lip Seal 31 Mounting Screws - end cap to valve body		
11 Flux Plate 12 O-ring for flux plate 13 Seal for solenoid cover to conduit adapter 14 Spring for plunger 15 Conduit Adapter Assembly 16 Conduit Body 17 Leads 18 Mounting Screws (#10-24x1) - conduit body 19 to valve body (not shown) 19 Valve Body Assembly 20 Valve Body 21 Molded Gasket for valve body to conduit body 22 Seal for end cap 23 Locking Override 24 End Cap Assembly with non-locking override 25 Wire Clip 26 Polyurethane Check Ball - 1/8" Dia. 27 Stem Assembly 28 Plug - 3/16" Dia. Rubber Ball 29 Piston 30 Lip Seal 31 Mounting Screws - end cap to valve body		
12 O-ring for flux plate 13 Seal for solenoid cover to conduit adapter 14 Spring for plunger 15 Conduit Adapter Assembly 16 Conduit Body 17 Leads 18 Mounting Screws (#10-24x1) - conduit body 19 to valve body (not shown) 19 Valve Body Assembly 20 Valve Body 21 Molded Gasket for valve body to conduit body 22 Seal for end cap 23 Locking Override 24 End Cap Assembly with non-locking override 25 Wire Clip 26 Polyurethane Check Ball - 1/8" Dia. 27 Stem Assembly 28 Plug - 3/16" Dia. Rubber Ball 29 Piston 30 Lip Seal 31 Mounting Screws - end cap to valve body		
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14 Spring for plunger 15 Conduit Adapter Assembly 16 Conduit Body 17 Leads 18 Mounting Screws (#10-24x1) - conduit body 18 to valve body (not shown) 19 Valve Body Assembly 20 Valve Body 21 Molded Gasket for valve body to conduit body 22 Seal for end cap 23 Locking Override 24 End Cap Assembly with non-locking override 25 Wire Clip 26 Polyurethane Check Ball - 1/8" Dia. 27 Stem Assembly 28 Plug - 3/16" Dia. Rubber Ball 29 Piston 30 Lip Seal 31 Mounting Screws - end cap to valve body		
15 Conduit Adapter Assembly 16 Conduit Body 17 Leads 18 Mounting Screws (#10-24x1) - conduit body 19 Valve Body (not shown) 19 Valve Body 20 Valve Body 21 Molded Gasket for valve body to conduit body 22 Seal for end cap 23 Locking Override 24 End Cap Assembly with non-locking override 25 Wire Clip 26 Polyurethane Check Ball - 1/8" Dia. 27 Stem Assembly 28 Plug - 3/16" Dia. Rubber Ball 29 Piston 30 Lip Seal 31 Mounting Screws - end cap to valve body		
16 Conduit Body 17 Leads 18 Mounting Screws (#10-24x1) - conduit body to valve body (not shown) 19 Valve Body 20 Valve Body 21 Molded Gasket for valve body to conduit body 22 Seal for end cap 23 Locking Override 24 End Cap Assembly with non-locking override 25 Wire Clip 26 Polyurethane Check Ball - 1/8" Dia. 27 Stem Assembly 28 Plug - 3/16" Dia. Rubber Ball 29 Piston 30 Lip Seal 31 Mounting Screws - end cap to valve body		
17 Leads 18 Mounting Screws (#10-24x1) - conduit body to valve body (not shown) 19 Valve Body Assembly 20 Valve Body 21 Molded Gasket for valve body to conduit body 22 Seal for end cap 23 Locking Override 24 End Cap Assembly with non-locking override 25 Wire Clip 26 Polyurethane Check Ball - 1/8" Dia. 27 Stem Assembly 28 Plug - 3/16" Dia. Rubber Ball 29 Piston 30 Lip Seal 31 Mounting Screws - end cap to valve body		
Mounting Screws (#10-24x1) - conduit body to valve body (not shown) Valve Body Assembly Valve Body Molded Gasket for valve body to conduit body Seal for end cap Locking Override End Cap Assembly with non-locking override Wire Clip Polyurethane Check Ball - 1/8" Dia. Stem Assembly Plug - 3/16" Dia. Rubber Ball Piston Mounting Screws - end cap to valve body		
to valve body (not shown) 19 Valve Body Assembly 20 Valve Body 21 Molded Gasket for valve body to conduit body 22 Seal for end cap 23 Locking Override 24 End Cap Assembly with non-locking override 25 Wire Clip 26 Polyurethane Check Ball - 1/8" Dia. 27 Stem Assembly 28 Plug - 3/16" Dia. Rubber Ball 29 Piston 30 Lip Seal 31 Mounting Screws - end cap to valve body		
Valve Body Assembly Valve Body Nolded Gasket for valve body to conduit body Seal for end cap Locking Override Hend Cap Assembly with non-locking override Wire Clip Polyurethane Check Ball - 1/8" Dia. Stem Assembly Plug - 3/16" Dia. Rubber Ball Piston Mounting Screws - end cap to valve body	18	
20 Valve Body 21 Molded Gasket for valve body to conduit body 22 Seal for end cap 23 Locking Override 24 End Cap Assembly with non-locking override 25 Wire Clip 26 Polyurethane Check Ball - 1/8" Dia. 27 Stem Assembly 28 Plug - 3/16" Dia. Rubber Ball 29 Piston 30 Lip Seal 31 Mounting Screws - end cap to valve body	10	
Molded Gasket for valve body to conduit body Seal for end cap Locking Override Locking Override Hend Cap Assembly with non-locking override Wire Clip Polyurethane Check Ball - 1/8" Dia. Stem Assembly Plug - 3/16" Dia. Rubber Ball Piston Lip Seal Mounting Screws - end cap to valve body		
22 Seal for end cap 23 Locking Override 24 End Cap Assembly with non-locking override 25 Wire Clip 26 Polyurethane Check Ball - 1/8" Dia. 27 Stem Assembly 28 Plug - 3/16" Dia. Rubber Ball 29 Piston 30 Lip Seal 31 Mounting Screws - end cap to valve body		•
23 Locking Override 24 End Cap Assembly with non-locking override 25 Wire Clip 26 Polyurethane Check Ball - 1/8" Dia. 27 Stem Assembly 28 Plug - 3/16" Dia. Rubber Ball 29 Piston 30 Lip Seal 31 Mounting Screws - end cap to valve body		
24 End Cap Assembly with non-locking override 25 Wire Clip 26 Polyurethane Check Ball - 1/8" Dia. 27 Stem Assembly 28 Plug - 3/16" Dia. Rubber Ball 29 Piston 30 Lip Seal 31 Mounting Screws - end cap to valve body		
25 Wire Clip 26 Polyurethane Check Ball - 1/8" Dia. 27 Stem Assembly 28 Plug - 3/16" Dia. Rubber Ball 29 Piston 30 Lip Seal 31 Mounting Screws - end cap to valve body		
26 Polyurethane Check Ball - 1/8" Dia. 27 Stem Assembly 28 Plug - 3/16" Dia. Rubber Ball 29 Piston 30 Lip Seal 31 Mounting Screws - end cap to valve body		
27 Stem Assembly 28 Plug - 3/16" Dia. Rubber Ball 29 Piston 30 Lip Seal 31 Mounting Screws - end cap to valve body		
28 Plug - 3/16" Dia. Rubber Ball 29 Piston 30 Lip Seal 31 Mounting Screws - end cap to valve body		
29 Piston 30 Lip Seal 31 Mounting Screws - end cap to valve body		
30 Lip Seal 31 Mounting Screws - end cap to valve body		
31 Nounting Screws - end cap to valve body		
- 3 3		
32 Detent Wire	32	Detent Wire
33 Rubber Ball	33	Rubber Ball



Flush Style Manual Override



Locking type has a slot; Non-locking type is without slot.





Catalog 0620-E/USA (Revised 05-05-05)

Double Solenoid

"SS" Series Valves

4-Way, 5-Port, 3-Position

Index

Service Kits Available Valve Body Service Kit:			acitimoation List	256CP
(consists of items #		Item #	<u>Description</u>	
21, 23, 24, 25, 27, 28, 29, & 31)	PS5396	1	Solenoid Assembly	
Solenoid Service Kit:	1 00000	2	Solenoid Cover with captive mounting so	rews
(consists of items #		3	Solenoid Coil	
5, 6, 7, 8, 9, 10, 12, 13, & 14)	PS5397	4	Flux Sleeve	
Note: Two kits are required to service a doub	le solenoid valve.	5	Compression Gasket	
Manual Override Kits:		6	Top Seat	
Flush Style - Non-Locking	PL5178	7	Small O-ring for top seat	
Flush Style - Locking	PL5185	8	Large O-ring for top seat	
		9	Solenoid Plunger Assembly	
		10	O-ring for coil	
		11	Flux Plate	
		12	O-ring for flux plate	
		13	Seal for solenoid cover to conduit adapte	er
		14	Spring for plunger assembly	
		15	Conduit Adapter Assembly	
		16	Conduit Body	
		17	Electrical Leads	
		18	Mounting Screws (#10-24x1) - conduit bo	ody to
			valve body (not shown)	
		19	Valve Body & End Cap Assemblies	
		20	Valve Body	
		21	Molded Gasket for valve body to conduit	body
		22	End Cover	
		23	Return Spring	
		24	Seal for end cap to body	
		25	Lip Seal	
		26	Sleeve	
		27	Wire Clip	
		28	Polyurethane Check Ball - 1/8" Diameter	
		29	Stem Assembly	
		30	Plug - 3/16" Diameter Rubber Ball	
		31	O-ring - sleeve to body	
		32	Piston	
		33	Washer	
		34	Mounting Screws - end cap to valve body	V
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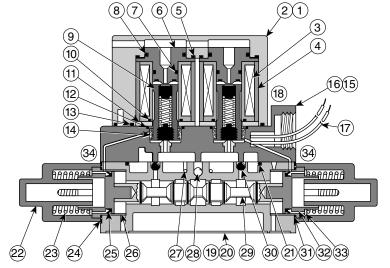


Figure 1: SS Valve Assembly



(not shown)

Figure 2: Flush Style Manual Override; Locking



Figure 3: Flush Style Manual Override; Non-Locking





"SS" Series Valves



Obsolete SS Valve	Suggested Replacement	Notes	Alternate SS Valve	Notes
SS120037 SS120050 SS121025	F5F15000XXA B7F3000XXA F5F13000XXA			
SS121037	F5F15000XXA			
SS121050 SS122050	B7F3000XXA B7F3000XXA			
SS140025 SS140037	F5413000XXA F5415000XXA			
SS140050 SS140237	B743000XXA F5465000XXA	3		
SS141025 SS141037	F5413000XXA F5415000XXA	3		
SS141050 SS147025	B743000XXA F5413000XXA			
SS151025 SS151037	F5813000XXA F5815000XXA			
SS151050 SS161025	B783000XXA F5913000XXA			
SS161025 SS161050 SS20002501	B793000XXA F5E13BGA23A		SS20103701 & Bush to 1/4"	12
SS20002522	F5E13BGA19A		SS20103722 & Bush to 1/4"	12
SS20003701 SS20003701M5 SS20003720	F5E15BGA23A F5E15LGA23A F5E15BGA12A		SS20103701	12
SS20003722 SS20005001	F5E15BGA19A B7E3ADH53A		SS20103722 SS20105001	12 12
SS20005001SP1 SS20005021	NO CROSS B7E3ADH45A	7	0020.0000	
SS20005022 SS20023701	B7E3ADH49A F5E65BGA23A	3	SS20105022 SS20123701	12
SS20023702 SS20102501	F5E65BGA87A F5E13BGA23A	3	SS20103701 & Bush to 1/4"	
SS20102501M5 SS20102502	F5E13LGA23A F5E13BGA87A			
SS20102502 SS20102520 SS20102522	F5E13BGA12A F5E13BGA19A		SS20103722 & Bush to 1/4"	

Notes

- This SS valve is modified for dual pressure application with highest pressure at the "Red" port. The F5 valve requires External Pilot and connect the high pressure to the #5 Port.
- 2. This SS valve is modified for dual pressure application with highest pressures at the "Black" port. The F5 valve requires External Pilot and connect the highest pressure to the #3 port.
- 3. This valve is attached to a Manifold Assembly. No direct replacement is available. Review application of valve configuration. Recommended F5 valve listed includes Manifold Base.
- 4. The M1 Modification was a Special External Pilot Drilling to the body for attaching the valve to a Manifold made by the BW Rogers Company for Firestone and Goodyear tire manufacturing industry. Review of application required for suitable replacement.
- 5. The M2 Modification was Non-Locking Manual Override on the Conduit End of valve only. SS4000 Series. The F5 or SS valve selected had Non-Locking Manual Overrides on both ends of the valve.
- The M4 Modification was Non-Locking Manual Override opposite the Conduit End of the valve. SS4000 Series. The F5 or SS valve selected has Non-Locking Manual Overrides on both ends of the valve.
- 7. Use Repair Kits to Service Valve.
- 8. Field convert SS valve to Dual Pressure.
- 9. Selected SS valve has 18" Leads instead of 72" Leads.
- 10. Selected SS valve has Flush Type Non-Locking Manual Override instead of Knob Type Non-Locking Manual Override.
- 11. Selected SS valve has Flush Type Locking Manual Override instead of Knob Type Locking Manual Override.
- $12. \ \ \ \textbf{Selected SS valve has Flush Type Non-Locking Manual Override instead of No Override.}$
- 13. Selected SS valve has No Indicator Light.





"SS" Series Valves



Obsolete SS Valve	Suggested Replacement	<u>Notes</u>	Alternate SS Valve	Notes
SS20102523 S20103701M5	NO CROSS VOLTAGE 125VDC F5E15LGA23A	7		
S20103702	F5E15BGA87A			
SS20103723	NO CROSS VOLTAGE 125VDC	7		
SS20105002	B7E3ADH57A			
SS20105021	B7E3ADH45A	_		
SS20105023	NO CROSS VOLTAGE 125VDC	7 7		
SS20105058	NO CROSS VOLTAGE 250VDC	/		
SS20123701M1B		4		
SS20133701	F5E15LGA23A	1	SS20103701	8
SS20163701	F5E15LGA23A	2	SS20103701	8
SS20202501	F5E13BHA23A		SS20203701 & Bush to 1/4"	
SS20202502	F5E13BHA87A			
SS20203702	F5E15BHA87A			
SS20203720	F5E15BHA12A			
SS20205021	B7E3ACH45A			
SS20302501	F5E13BGB23A		SS20103701 & Bush to 1/4"	9
SS20303701	F5E15BGB23A		SS20103701	9
SS20303702	F5E15BGB87A			
SS20362515	NO CROSS VOLTAGE IS 48VDC	7		
SS20402501	F5E13BGB23A		SS20103701 & Bush to 1/4"	9
SS20402523	NO CROSS VOLTAGE 125VDC	7		
SS20402559	NO CROSS VOLTAGE 120/50 VAC	7		
SS20403701	F5E15BGB23A		SS20103701	9
SS20403723	NO CROSS VOLTAGE 125VDC	7		
SS20405001	B7E3ADR53A	_	SS20105001	9
SS20423722	F5E65BGB23A	3	SS20103722	9
SS20503702	F5E15BHB87A			
SS20505001	B7E3ACR53A		SS20205001	9
SS20603701	F5E15BJB23A		SS20103701	9, 10
SS20703701	F5E15BJA23A		SS20103701	10
SS20705001	B7E3ADH53A		SS20105001	10
SS20802501	F5E13AKA23A		SS20203701 & Bush to 1/4"	11
SS20802522	F5E13AKA19A		SS20203722 & Bush to 1/4"	11
SS20803701	F5E15AKA23A		SS20203701	11
SS20805001	B7E3ACH53A		SS20205001	11

Notes

- 1. This SS valve is modified for dual pressure application with highest pressure at the "Red" port. The F5 valve requires External Pilot and connect the high pressure to the #5 Port.
- 2. This SS valve is modified for dual pressure application with highest pressures at the "Black" port. The F5 valve requires External Pilot and connect the highest pressure to the #3 port.
- 3. This valve is attached to a Manifold Assembly. No direct replacement is available. Review application of valve configuration. Recommended F5 valve listed includes Manifold Base.
- 4. The M1 Modification was a Special External Pilot Drilling to the body for attaching the valve to a Manifold made by the BW Rogers Company for Firestone and Goodyear tire manufacturing industry. Review of application required for suitable replacement.
- 5. The M2 Modification was Non-Locking Manual Override on the Conduit End of valve only. SS4000 Series. The F5 or SS valve selected had Non-Locking Manual Overrides on both ends of the valve.
- 6. The M4 Modification was Non-Locking Manual Override opposite the Conduit End of the valve. SS4000 Series. The F5 or SS valve selected has Non-Locking Manual Overrides on both ends of the valve.
- 7. Use Repair Kits to Service Valve.
- 8. Field convert SS valve to Dual Pressure.
- 9. Selected SS valve has 18" Leads instead of 72" Leads.
- 10. Selected SS valve has Flush Type Non-Locking Manual Override instead of Knob Type Non-Locking Manual Override.
- 11. Selected SS valve has Flush Type Locking Manual Override instead of Knob Type Locking Manual Override.
- 12. Selected SS valve has Flush Type Non-Locking Manual Override instead of No Override.
- 13. Selected SS valve has No Indicator Light.





"SS" Series Valves



Obsolete SS Valve	Suggested Replacement	<u>Notes</u>	Alternate SS Valve	Notes
SS20805021	B7E3ACH45A			
SS20903701M5	F5E15LKB23A			
SS20905001	B7E3ACR53A		SS20205001	9, 11
SS40002501	F5213BGA23A		SS40103701 & Bush to 1/4"	12
SS40002502	F5213BGA87A			
SS40002522	F5213BGA19A		SS40103722 & Bush to 1/4"	12
SS40002523	NO CROSS VOLTAGE 125VDC	7		
SS40003701	F5215BGA23A		SS40103701	12
SS40003702	F5215BGA87A			
SS40003722	F5215BGA19A		SS40103722	12
SS40003723	NO CROSS VOLTAGE 125VDC	7		
SS40005001	B723ADH53A		SS40105001	12
SS40005023	NO CROSS VOLTAGE 125VDC	7		
SS40023701	F5265BGA23A	3	SS40123701	12
SS40023702	F5265BGA87A	3		
SS40102501	F5213BGA23A		SS40103701 & Bush to 1/4"	
SS40102501M2	F5215BGA23A	5	SS40103701 & Bush to 1/4"	5
SS40102501M5	F5213LGA23A			
SS40102502	F5213BGA87A			
SS40102521	F5213BGA15A			
SS40102522	F5213BGA19A		SS40103722 & Bush to 1/4"	
SS40102523	NO CROSS VOLTAGE 125VDC	7		
SS40102523M2	NO CROSS VOLTAGE 125VDC	7		
SS40103701M5	F5215LGA23A			
SS40103702	F5215BGA87A			
SS40103720	F5215BGA12A			
SS40103723	NO CROSS VOLTAGE 125VDC	7		
SS40105002	B723ADH57A			
SS40105023	NO CROSS VOLTAGE 125VDC	7		
SS40123701M1B		4		
SS40132501	F5213LGA23A	1	SS40103701 & Bush to 1/4"	8
SS40135001	B723KDH53A	1	SS40105001	8
SS40202501	F5213BHA23A			
SS40202523	NO CROSS VOLTAGE 125VDC	7		
SS40223701M1B		4		
SS40223722M1B		4		

Notes

- 1. This SS valve is modified for dual pressure application with highest pressure at the "Red" port. The F5 valve requires External Pilot and connect the high pressure to the #5 Port.
- 2. This SS valve is modified for dual pressure application with highest pressures at the "Black" port. The F5 valve requires External Pilot and connect the highest pressure to the #3 port.
- 3. This valve is attached to a Manifold Assembly. No direct replacement is available. Review application of valve configuration. Recommended F5 valve listed includes Manifold Base.
- 4. The M1 Modification was a Special External Pilot Drilling to the body for attaching the valve to a Manifold made by the BW Rogers Company for Firestone and Goodyear tire manufacturing industry. Review of application required for suitable replacement.
- 5. The M2 Modification was Non-Locking Manual Override on the Conduit End of valve only. SS4000 Series. The F5 or SS valve selected had Non-Locking Manual Overrides on both ends of the valve.
- 6. The M4 Modification was Non-Locking Manual Override opposite the Conduit End of the valve. SS4000 Series. The F5 or SS valve selected has Non-Locking Manual Overrides on both ends of the valve.
- 7. Use Repair Kits to Service Valve.
- 8. Field convert SS valve to Dual Pressure.
- 9. Selected SS valve has 18" Leads instead of 72" Leads.
- 10. Selected SS valve has Flush Type Non-Locking Manual Override instead of Knob Type Non-Locking Manual Override.
- 11. Selected SS valve has Flush Type Locking Manual Override instead of Knob Type Locking Manual Override.
- 12. Selected SS valve has Flush Type Non-Locking Manual Override instead of No Override.
- 13. Selected SS valve has No Indicator Light.





"SS" Series Valves



Obsolete SS Valve	Suggested Replacement	Notes	Alternate SS Valve	Notes
SS40302501 SS40302515 SS40302559	F5213BGB23A NO CROSS VOLTAGE IS 48VDC NO CROSS VOLTAGE IS 120V/50HZ	7 7	SS40103701 & Bush to 1/4"	12
SS40303701	F5215BGB23A	,	SS40103701	9, 12
SS40303758 SS40362515	NO CROSS VOLTAGE IS 250VDC NO CROSS VOLTAGE IS 48VDC	7 7		
SS40402501 SS40402501M2	F5213BGB23A F5213BGA23A	5	SS40103701 & Bush to 1/4" SS40103701 & Bush to 1/4"	9 5
SS40402501M4 SS40402522M4	F5213BGA23A F5213BGA19A	6 6	SS40103701 & Bush to 1/4" SS40103722 & Bush to 1/4"	6
SS40402522M4 SS40402523	NO CROSS VOLTAGE 125VDC	6 7	SS40103722 & Bush to 1/4"	Ь
SS40402523M2	NO CROSS VOLTAGE 125VDC	7		
SS40402523M4 SS40402559M4	NO CROSS VOLTAGE 125VDC NO CROSS VOLTAGE 120/50 VAC	7 7		
SS40403701	F5215BGB23A	,	SS40103701	9
SS40403701M2	F5215BGA23A	5	SS40103701	5, 9
SS40403722 SS40403723	F5215BGB19A NO CROSS VOLTAGE 125VDC	7	SS40103701	9
SS40403723 SS40403758	NO CROSS VOLTAGE 125VDC NO CROSS VOLTAGE 250VDC	7		
SS40405001	B723ADR53A	,	SS40105001	9
SS40405001M2	B723BDA53A	5	SS40105001	5, 9
SS40423759	NO CROSS VOLTAGE IS 120V/50HZ	7		
SS40423759M2 SS40603701	NO CROSS VOLTAGE IS 120V/50HZ F5215BJB23A	7	SS40103701	9, 10
SS40703701	F5215BJA23A		SS40103701	10
SS40705001 SS40705002	B723ADH53A B723ADH57A		SS40105001	10
SS40805001	B723ACH53A		SS40205001	11
SS50002501	F5513BGA23A		SS50103701 & Bush to 1/4"	12
SS50003701	F5515BGA23A		SS50103701	12
SS50003702 SS50005001	F5515BGA87A B753BDH53A		SS50105001	12
SS50023702	F5565BGA87A	3		
SS50023722	F5565BGA19A	3	SS50123722	12
SS50102501	F5513BGA23A	-	SS50103701 & Bush to 1/4"	
SS50102522	F5513BGA19A		SS50103722 & Bush to 1/4"	

Notes

- 1. This SS valve is modified for dual pressure application with highest pressure at the "Red" port. The F5 valve requires External Pilot and connect the high pressure to the #5 Port.
- 2. This SS valve is modified for dual pressure application with highest pressures at the "Black" port. The F5 valve requires External Pilot and connect the highest pressure to the #3 port.
- 3. This valve is attached to a Manifold Assembly. No direct replacement is available. Review application of valve configuration. Recommended F5 valve listed includes Manifold Base.
- 4. The M1 Modification was a Special External Pilot Drilling to the body for attaching the valve to a Manifold made by the BW Rogers Company for Firestone and Goodyear tire manufacturing industry. Review of application required for suitable replacement.
- 5. The M2 Modification was Non-Locking Manual Override on the Conduit End of valve only. SS4000 Series. The F5 or SS valve selected had Non-Locking Manual Overrides on both ends of the valve.
- 6. The M4 Modification was Non-Locking Manual Override opposite the Conduit End of the valve. SS4000 Series. The F5 or SS valve selected has Non-Locking Manual Overrides on both ends of the valve.
- 7. Use Repair Kits to Service Valve.
- 8. Field convert SS valve to Dual Pressure.
- 9. Selected SS valve has 18" Leads instead of 72" Leads.
- 10. Selected SS valve has Flush Type Non-Locking Manual Override instead of Knob Type Non-Locking Manual Override.
- 11. Selected SS valve has Flush Type Locking Manual Override instead of Knob Type Locking Manual Override.
- 12. Selected SS valve has Flush Type Non-Locking Manual Override instead of No Override.
- 13. Selected SS valve has No Indicator Light.





"SS" Series Valves



Obsolete SS Valve	Suggested Replacement	<u>Notes</u>	Alternate SS Valve	Notes
SS50103701M5	F5515LGA23A			
SS50103702	F5515BGA87A			
SS50103721	F5515BGA15A			
SS50105001M5	B753KDH53A			
SS50105002	B753BDH57A			
SS50105021	B753BDH45A			
SS50105023	NO CROSS VOLTAGE 125VDC	7		
SS50105058	NO CROSS VOLTAGE 250VDC	7		
SS50123702M1B		4		
SS50133701	F5513LGA23A	1	SS50103701	8
SS50202501	F5513BHA23A		SS50203701 & Bush to 1/4"	
SS50403701	F5515BGB23A		SS50103701	9
SS50405001	B753ADR53A		SS50105001	9
SS50502501	F5513BHB23A		SS50203701 & Bush to 1/4"	9
SS50505001	B753ACR53A		SS50205001	9
SS60002501	F5613BGA23A		SS60103701 & Bush to 1/4"	12
SS60002501M5	F5613LGA23A			
SS60002522	F5613BGA19A		SS60103722 & Bush to 1/4"	
SS60003701	F5615BGA23A		SS60103701	12
SS60005001	B763ADH53A		SS60105001	12
SS60005022	B763ADH49A		SS60105001	12
SS60032501	F5613LGA23A	1	SS60103701 & Bush to 1/4"	8
SS60102501	F5613BGA23A		SS60103701 & Bush to 1/4"	
SS60102521	F5613BGA15A			
SS60102522	F5613BGA19A		SS60103722 & Bush to 1/4"	
SS60103701M5	F5613LGA23A			
SS60103702	F5615BGA87A			
SS60105023	NO CROSS VOLTAGE 125VDC	7		
SS60123701	F5665BGA23A	3		
SS60135001	B763KDH53A	1	SS60105001	8
SS60405001	B763ADR53A		SS60105001	9
SS60405023	NO CROSS VOLTAGE 125VDC	7		
SSA120237	F5F65000XXA	3		
SSA141237	F5465000XXA	3		
SSA20023701	F5E65BGA23A	3	SSA20123701	12
SSA20023759	NO CROSS VOLTAGE IS 120V/50HZ	7		

Notes

- This SS valve is modified for dual pressure application with highest pressure at the "Red" port. The F5 valve requires External Pilot and connect the high pressure to the #5 Port.
- 2. This SS valve is modified for dual pressure application with highest pressures at the "Black" port. The F5 valve requires External Pilot and connect the highest pressure to the #3 port.
- 3. This valve is attached to a Manifold Assembly. No direct replacement is available. Review application of valve configuration. Recommended F5 valve listed includes Manifold Base.
- 4. The M1 Modification was a Special External Pilot Drilling to the body for attaching the valve to a Manifold made by the BW Rogers Company for Firestone and Goodyear tire manufacturing industry. Review of application required for suitable replacement.
- 5. The M2 Modification was Non-Locking Manual Override on the Conduit End of valve only. SS4000 Series. The F5 or SS valve selected had Non-Locking Manual Overrides on both ends of the valve.
- The M4 Modification was Non-Locking Manual Override opposite the Conduit End of the valve. SS4000 Series. The F5 or SS valve selected has Non-Locking Manual Overrides on both ends of the valve.
- 7. Use Repair Kits to Service Valve.
- 8. Field convert SS valve to Dual Pressure.
- 9. Selected SS valve has 18" Leads instead of 72" Leads.
- 10. Selected SS valve has Flush Type Non-Locking Manual Override instead of Knob Type Non-Locking Manual Override.
- 11. Selected SS valve has Flush Type Locking Manual Override instead of Knob Type Locking Manual Override.
- 12. Selected SS valve has Flush Type Non-Locking Manual Override instead of No Override.
- 13. Selected SS valve has No Indicator Light.





"SS" Series Valves



Obsolete SS Valve	Suggested Replacement	<u>Notes</u>	Alternate SS Valve	<u>Notes</u>
SSA20123701M1B		4		
SSA20123702	F5E65BGA87A	3		
SSA20123721	F5E65BGA15A	3		
SSA20223701M1B		4		
SSA20823701	F5E65BKA23A	3	SSA20223701	11
SSA40023701	F5265BGA23A	3	SSA40123701	12
SSA40023702	F5265BGA87A	3		
SSA40023759	NO CROSS VOLTAGE IS 120V/50	OHZ 7		
SSA40123701M1B		4		
SSA40123701M2	F5265BGA23A	3, 5	SSA40123701	5
SSA40123702	F5265BGA87A	3		
SSA40153701	F5265BKB23A	3	SSA40123701	8
SSA40223702	F5265BHA87A	3		
SSA40823701	F5265BKA23A	3	SSA40223701	11
SSA50023701	F5565BGA23A	3	SSA50123701	12
SSA50123702	F5565BGA87A	3		
SSA60123701	F5665BGA23A	3		
SSA60123701M1B		4		
SSA60123702	F5665BGA23A	3		
SSA60123722	F5665BGA19A	3		
SSA60223701	F5665BHA23A	3		
SSA60223702	F5665BHA87A	3		
SSA60233701	F5665LHA23A	1, 3		
SSL20102501	F5E13BGA23A		SS20103701 & Bush to 1/4"	13
SSL20103701	F5E15BGA23A		SS20103701	13
SSL20105001	B7E3ADH53A		SS20105001	13
SSL20105002	B7E3ADH57A			
SSL20203701	F5E15BHA23A		SS20203701	13
SSL20205001	B7E3ACH53A		SS20205001	13
SSL20803701	F5E15BKA23A		SS20203701	11, 13
SSL40102501	F5213BGA23A		SS40103701 & Bush to 1/4"	13
SSL40103701	F5215BGA23A		SS40103701	13
SSL40105001	B723BDH53A		SS40105001	13
SSL40133701	F5215LGA23A		SS40103701	8, 13
SSL40802501	F5215LKA23A	NOTE	SS40203701 & Bush to 1/4"	11, 13
SSL50103701	F5515BGA23A		SS50103701	13
			2	

Notes

- This SS valve is modified for dual pressure application with highest pressure at the "Red" port. The F5 valve requires External Pilot and connect the high pressure to the #5 Port.
- 2. This SS valve is modified for dual pressure application with highest pressures at the "Black" port. The F5 valve requires External Pilot and connect the highest pressure to the #3 port.
- 3. This valve is attached to a Manifold Assembly. No direct replacement is available. Review application of valve configuration. Recommended F5 valve listed includes Manifold Base.
- 4. The M1 Modification was a Special External Pilot Drilling to the body for attaching the valve to a Manifold made by the BW Rogers Company for Firestone and Goodyear tire manufacturing industry. Review of application required for suitable replacement.
- 5. The M2 Modification was Non-Locking Manual Override on the Conduit End of valve only. SS4000 Series. The F5 or SS valve selected had Non-Locking Manual Overrides on both ends of the valve.
- The M4 Modification was Non-Locking Manual Override opposite the Conduit End of the valve. SS4000 Series. The F5 or SS valve selected has Non-Locking Manual Overrides on both ends of the valve.
- 7. Use Repair Kits to Service Valve.
- 8. Field convert SS valve to Dual Pressure.
- 9. Selected SS valve has 18" Leads instead of 72" Leads.
- 10. Selected SS valve has Flush Type Non-Locking Manual Override instead of Knob Type Non-Locking Manual Override.
- 11. Selected SS valve has Flush Type Locking Manual Override instead of Knob Type Locking Manual Override.
- $12. \ \ \ \textbf{Selected SS valve has Flush Type Non-Locking Manual Override instead of No Override.}$
- 13. Selected SS valve has No Indicator Light.





"SS" Series Valves

Catalog 0620-E/USA **Cross Reference**



Obsolete SS Valve	Suggested Replacement	<u>Notes</u>	Alternate SS Valve	Notes
SSL50105001	B753ADH53A		SS50105001	13
SSL50205001	B753ACH53A		SS50205001	13
SSL60102501	F5613BGA23A		SS60103701 & Bush to 1/4"	13
SSL60103701	F5615BGA23A		SS60103701	13
SSL60103702	F6515BGA87A			
SSL60205001	B763ACH53A		SS60205001	13
SSWL20123701	F5265BGA23A	3		
SSWL50123701	F5565BGA23A	3		
SSW121237	F5F65000XXA	3		
SSW20123701	F5E65BGA23A	3		
SSW20123722	F5E65BGA19A	3		
SSW20223701	F5E65BHA23A	3		
SSW40123701	F5265BGA23A	3		
SSW40123722	F5265BGA19A	3		
SSW50123701	F5565BGA23A	3		
SSW60123701	F5665BGA23A	3		
0000 00100701	F5F05D0 4 00 4			
SSXL20123701	F5E65BGA23A	3		
SSXL20223701	F5E65BHA23A	3		
SSXL20823701	F5E65BKA23A	3		
SSXL40123701	F5265BGA23A	3		
SSXL60123701	F5665BGA23A	3		
SSX141237	F5465000XXA	3		
SSX20123701	F5E65BGA23A	3		
SSX20123701	F5E65BGA87A	3		
33/20123/02	1 JEOSBAAO/A	3		
SSX20123722	F5E65BGA19A	3		
SSX20223701	F5E65BHA23A	3		
SSX40123701	F5265BGA23A	3		
SSX40123702	F5265BGA87A	3		
		•		
SSX50123701	F5565BGA23A	3		
SSX50123702	F5565BGA87A	3		
SSX50123720	F5565BGA12A	3		
SSX50123722	F5565BGA19A	3		
SSX60123701	F5665BGA23A	3		

Notes

- 1. This SS valve is modified for dual pressure application with highest pressure at the "Red" port. The F5 valve requires External Pilot and connect the high pressure to the #5 Port.
- 2. This SS valve is modified for dual pressure application with highest pressures at the "Black" port. The F5 valve requires External Pilot and connect the highest pressure to the #3 port.
- 3. This valve is attached to a Manifold Assembly. No direct replacement is available. Review application of valve configuration. Recommended F5 valve listed includes Manifold Base.
- 4. The M1 Modification was a Special External Pilot Drilling to the body for attaching the valve to a Manifold made by the BW Rogers Company for Firestone and Goodyear tire manufacturing industry. Review of application required for suitable replacement.
- 5. The M2 Modification was Non-Locking Manual Override on the Conduit End of valve only. SS4000 Series. The F5 or SS valve selected had Non-Locking Manual Overrides on both ends of the valve.
- 6. The M4 Modification was Non-Locking Manual Override opposite the Conduit End of the valve. SS4000 Series. The F5 or SS valve selected has Non-Locking Manual Overrides on both ends of the valve.
- 7. Use Repair Kits to Service Valve.
- 8. Field convert SS valve to Dual Pressure.
- 9. Selected SS valve has 18" Leads instead of 72" Leads.
- 10. Selected SS valve has Flush Type Non-Locking Manual Override instead of Knob Type Non-Locking Manual Override.
- 11. Selected SS valve has Flush Type Locking Manual Override instead of Knob Type Locking Manual Override.
- 12. Selected SS valve has Flush Type Non-Locking Manual Override instead of No Override.
- 13. Selected SS valve has No Indicator Light.



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Catalog 0620-E/USA

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